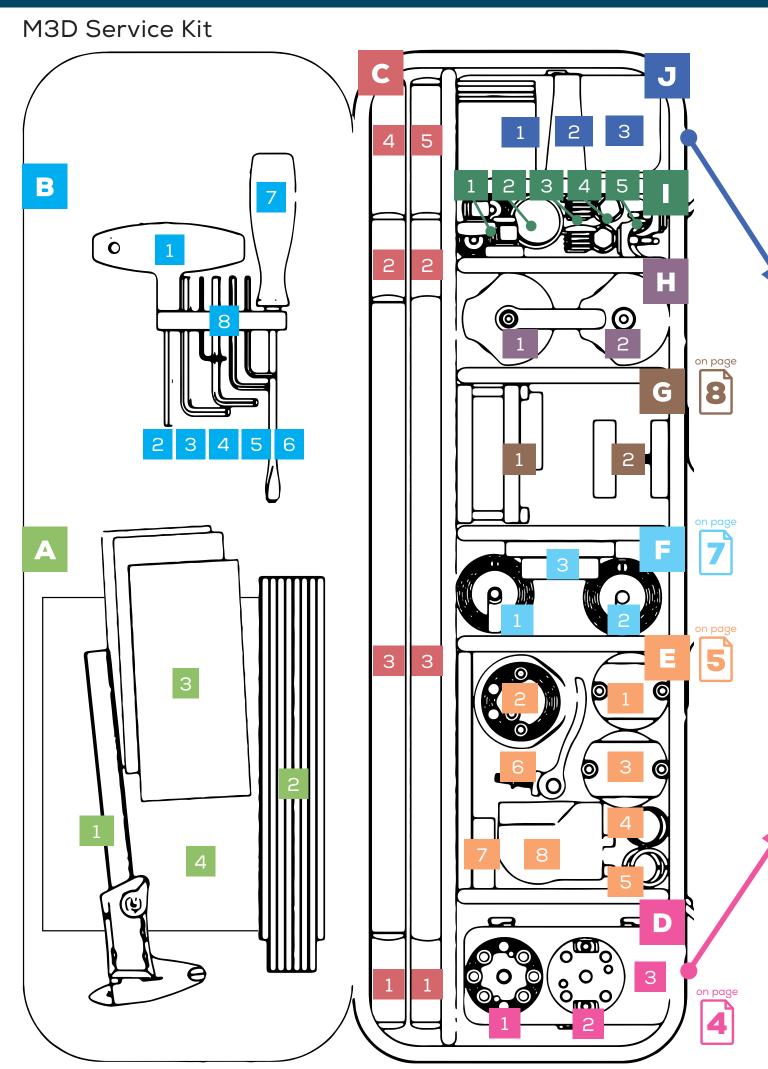
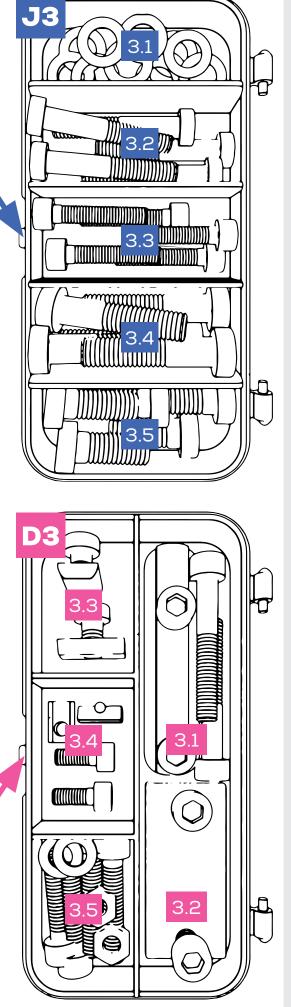
Instructions Manual M3D Service Kit





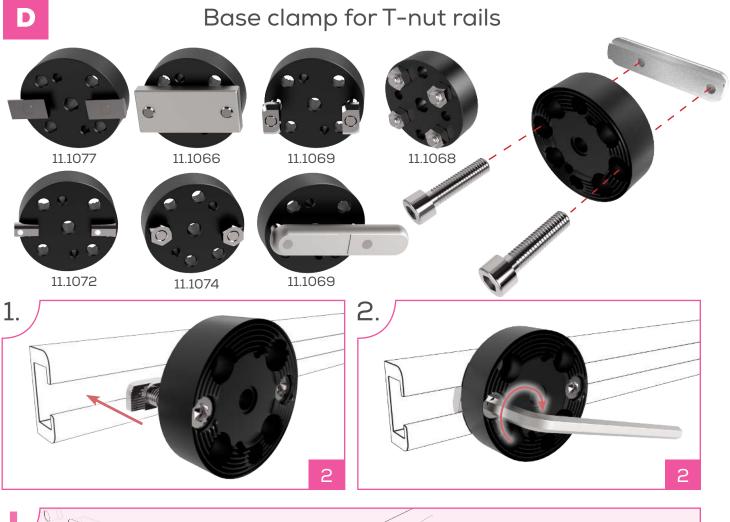


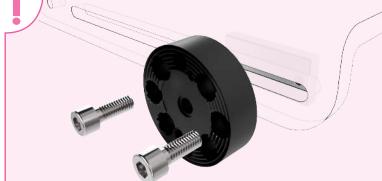


Bag Content & Order Sheet

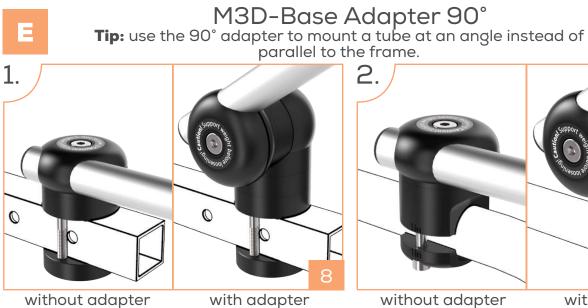
Fax: +49 561 220 717 99 • Email: techteam@rehadapt.com

ID	Part No.	Name Quan	tity	Reorde
A1	01.0032	Caliper	1	
Α2	01.0045	Yardstick	1	
AЗ	00.4016	Post-It	3	
A 4	00.5108	Manual	1	
B1	01.0027	T-Handle	1	
B2	01.0002	Allen Key 3 mm	1	
ВЗ	01.0029	Allen Key 4 mm	1	
В4	01.0014	Allen Key 5 mm	1	
B 5	01.0437	Allen Key 7/32"	1	
B 6	01.0436	Allen Key 3/32"	1	
В7	01.0435	Screwdriver	1	
B 8	01.0874	Wrench Holder	1	
C1	01.5005	Tube Ø22,2x200	2	
C2	01.5010		2	
		Tube Ø22,2x300		
C 3	01.5020	Tube Ø22,2x400	2	
C 4	01.5030	Tube Ø22,2x500	1	
C 5	01.5032	Tube Ø22,2x600	1	
D 1	11.1074	M3D Adapter Ring	1	
D 2	11.1069	T-Nut	1	
D 3	02.0006	Box (Large)	1	
D 3.1	11.1069BS2	T-Nuts for 16/9	1	
D 3.2	11.1066BS1	T-Nuts for 23/7	1	
D 3.3	11.1077BS1	T-Nuts for 10/4	1	
D 3.4	11.1072BS2	Item P5	1	
D 3.5	11.1074BS1	Screw Set Adapter	1	
E1	11.1125	RKL-25	1	
E 2	11.1425	RKL-T25	1	
EЗ	11.1130	RKL-30	1	
E 4	01.2522	Sleeves 25>22	2	
E 5	01.2519	Sleeves 25>19	2	
E 6	11.1260	Replacement Kit	1	
E 7	11.1062	RKL Rad Per Uni	1	
E 8			1	
	11.1590	Base Adapter 90°		
F1	11.1525	Spacer 25mm / 1"	1	
F2	11.1538	Spacer 38mm / 1.5″	1	
FЗ	11.1075	RKL-M8-Mini	1	
G 1	11.1060	E30-70	1	
G 2	11.1065	E30	1	
Η1	11.1350	Uni-Joint QS	1	
Н2	11.1300	Uni-Joint	1	
11	01.5500	Slip-Out-Safeguard	2	
12	01.0109	Bushing FloatArm	1	
13	01.5999	Ribbed Inserts Ø22	4	
14	01.0283	FS Bolthead Cover	4	
15	01.0106	Foot for TS-XL	4	
J1	01.0078	Alcohol Wipes	6	
J2	04.0012	OKS Lubricant	1	
JЗ	02.0005	Box (Small)	1	
J 3.1	01.0394	Washers	20	
J 3.2	01.0634	Bolts M6x35	5	
J 3.3	01.0520	Bolts M5x20	5	
J 3.4	01.0835	Bolts M8x35	5	
J 3.5	01.0820	Bolts M8x20	5	
			Comr	bany / Name
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Tip: use the biggest T-shaped sliding block to mount through a narrow slot to maximize the contact surface and clamping force.





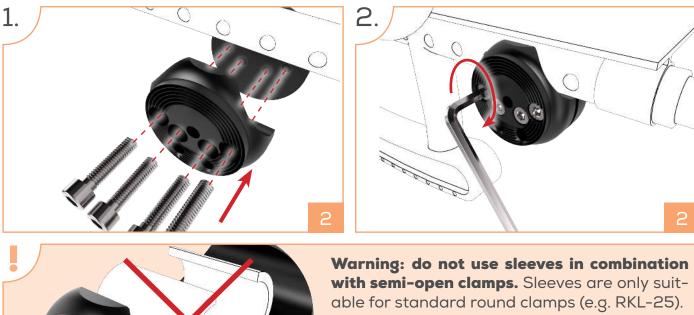


2

without adapter

with adapter

Base clamp for round frames

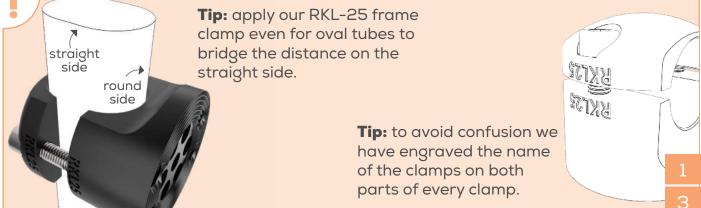


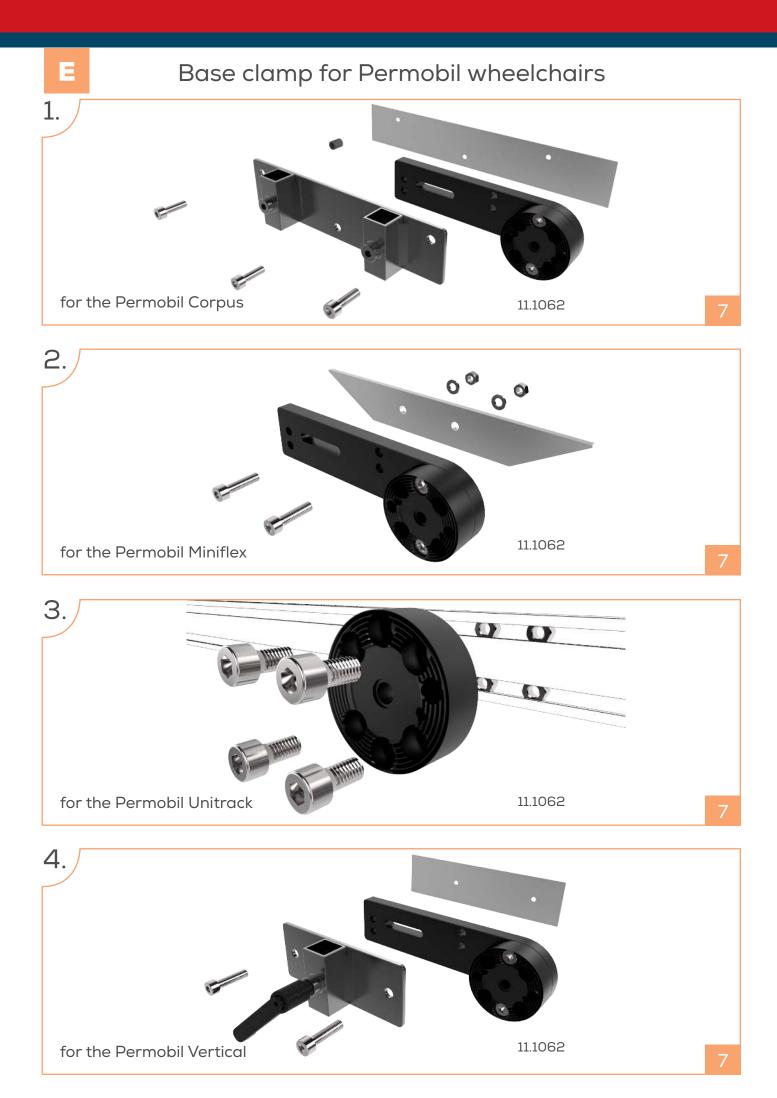


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6 Replacement Kit

Tip: see an instruction video on how to replace the QuickShift lever by scanning the QR code

below or visiting https://rehadapt. com/replacingquickshift-lever/



6

F Base clamp for threaded holes

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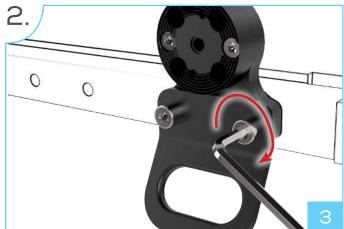
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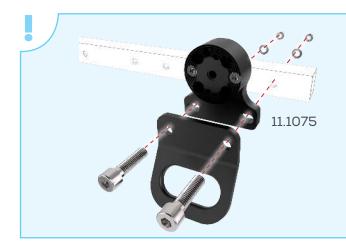
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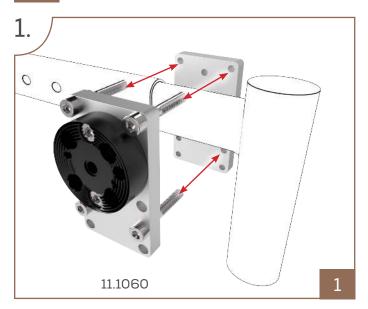
Tip: to achieve a larger distance you can combine multiple offset spacers.

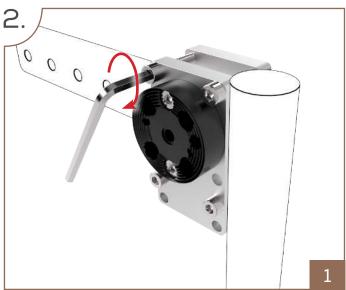


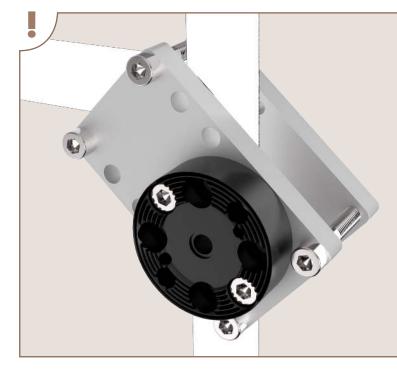
Warning!

Although attachment points of tiedown brackets are very stable spots to mount to, removing of the tie-downs can affect the safety of the wheelchair and should only be done by the wheelchair provider! G

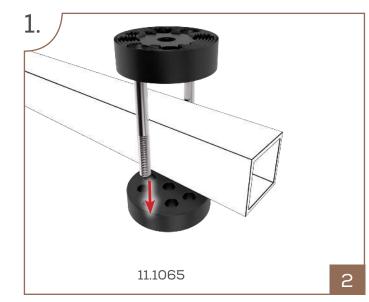
Base clamp for rectangular frames

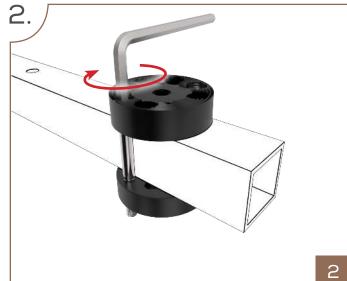






Tip: this special frame clamp is not only suitable for rectangular wheelchair elements. You can also reliably mount to a t- or x-shaped crossing of wheelchair tubes.





1



Operating instructions

Which clamp should I use?



Use the caliper or Rehadapt's measuring Post-It to measure the diameter of the tube where the clamp will be mounted.

If the diameter is 25 mm (1") or 30 mm (1 3/16"), use the frame clamp RKL-25 or RKL-30, respectively. If the diameter is a different one, order a new clamp. Sizes over 25

order a new clamp. Sizes over 25 mm (1") are readily available. For diameters smaller than 25 mm (1") use the RKL-25 in combination with sleeves.

How do I use the Measuring Post-Its?



How do I change bolts or clamping levers?

Here is a little physics. The goal of every mount is to tighten all joints and clamps without applying superhuman force to the bolts and levers. Still the joints and clamps need to hold very tight and withstand a lot of force.

J

Unfortunately most of the torque applied to any bolt gets lost due to the friction on the thread or the screw head, instead of building up the desired axial clamping force. The mount can only be stable when this loss is minimized. We reach this by:

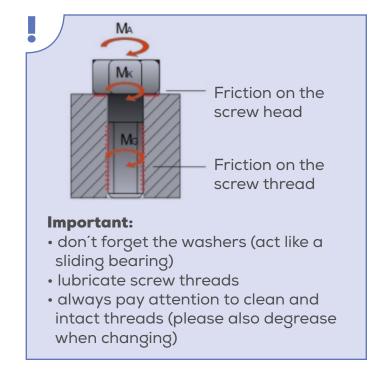
a) Lubricating the threads with a special grease to reduce the friction;

b) Always using two washers under the screw/threaded clamping lever head (acting as a bearing, reducing the head friction).

When changing bolts or clamping levers, it is crucial to follow these rules:

1. Always degrease/clean the threads of removed screws/levers using the alcohol wipes. Failure to do so will result in collecting dirt particles, which will damage the thread during next application.

2. Make sure that you apply two washers with any new screw or lever.



3. Add two drops of grease onto the first third of the thread of the new element (no-where else!).

4. Screw in the new element TIGHTLY. Don't be shy, work that lever or T-handle Allen wrench!

Always pay attention to the condition of the threads. If threads of screws or levers are damaged, the counterpart in the joint will not be intact as well. This element needs to be replaced.

How do I clean a joint / clamp?

When disassembling a joint/clamp, it is important to avoid any foreign particles on the contact surfaces. If necessary, use the alcohol wipes to clean the surfaces.

If you notice that the coating of the surfaces is scratched and there are significant silver parts visible (see image below), the connection will not have enough friction. When this happens, the joint or clamp must be replaced.



Important: Never apply any lubricant on these contact surfaces. Lubricant is meant for bolts and threads only!

Bag Content & Order Sheet Fax: +49 561 220 717 99 • Email: techteam@rehadapt.com

Company / Name	 ID A1 A2 A3 A4 B1 B2 B3 B4 B5 B6 B7 B8 C1 C2 C3 C4 C5 D1 D2 D3.1 D3.2 D3.4 D3.5 E1 E2 E3 E4 E5 E6 E7 E8 F1 F2 F3 G1 G2 H1 H2 I1 I2 I3 I4 I5 J1 J2 J3.1 J3.2 J3.3 J3.4 J3.5 	Part No. 01.0032 01.0045 00.4016 00.5108 01.0027 01.0029 01.0014 01.0437 01.0436 01.0435 01.0435 01.0874 01.5005 01.5010 01.5020 01.5030 01.5032 11.1074 11.1069 02.0006 11.1069BS2 11.1066BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1074BS1 11.1075 11.1060 11.1065 11.1525 11.1538 11.1075 11.1060 11.1065 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1350 11.1065 11.1350 11.1065 11.1350 11.1065 11.1350 11.1065 11.1350 11.1350 11.1300 01.5500 01.0109 01.5999 01.0283 01.0106 01.0078 04.0012 02.0005 01.0394 01.0634 01.0520 01.0835 01.0835 01.0820	NameCCaliperYardstickPost-ItManualT-HandleAllen Key 3 mmAllen Key 4 mmAllen Key 5 mmAllen Key 5 mmAllen Key 7/32"Allen Key 3/32"ScrewdriverWrench HolderTube Ø22,2x300Tube Ø22,2x400Tube Ø22,2x500Tube Ø22,2x500Spacer 25,79RKL-25RKL-25RKL-25RKL-25RKL-30Sleeves 25>19Replacement KitRKL-80Pase Adapter 90Spacer 25mm / 2Spacer 38mm / 3Spacer 38mm / 3Spacer 38mm / 4Spacer 3	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Reorder
Company / Name					





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